

In the Claims

1-6. (Canceled)

7. Currently Amended A method of making polymer patterned platelets comprising:
preparing a mixture of polymer material to be actinically cured,
spreading a layer of the of polymer material to be actinically cured on a sheet of substrate material,

applying a mask with apertures of the well-defined shapes and sizes of the desired patterned platelets to the poloymer material to be actinically cured,

exposing the masked polymer material to be actinically cured to radiation, thus forming patterned platelets of a specified shape and size, removing the patterned platelets from the substrate.

8. (Original) A method of making polymer patterned platelets as in claim 7 wherein, the polymer is a cholesteric liquid crystal.

9. (Original) A method of making. cholesteric liquid crystal patterned platelets as in claim 8 wherein there is the additional step of:

varying the concentration of chiral dopants for controlling the pitch of the cholesteric liquid crystal material such that it reflects a specified portion the spectrum.

10. (Original) A method of making cholesteric liquid crystal patterned platelets as in claim 8 wherein there is the additional step of:

doping the cholesteric liquid crystal material to absorb a specified portion the spectrum.

11. (Original) A method of making cholesteric liquid crystal patterned platelets as in claim 9 wherein there is the additional step of:

spatially marking the cholesteric liquid crystal material.

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12. (Currently Amended) A method of making cholesteric liquid crystal patterned platelets as in claim 8 wherein there is the additional steps of:

repeating the process steps of spreading a layer of the of cholesteric liquid crystal material to be actinically cured on a sheet of substrate material,

applying a mask with apertures of well-defined the-shapes and sizes of the desired patterned platelets to the cholesteric liquid crystal material to be actinically cured,

exposing the masked cholesteric liquid crystal material to be actinically cured to radiation,

thus forming patterned platelets of a specified shape and size, to obtain successive layers of cholesteric liquid crystal material.

13. (Original) A method of making cholesteric liquid crystal patterned platelets as in claim wherein the masks are changed to add spatial markings.

14. (Original) A method of making cholesteric liquid crystal patterned platelets as in claim 12 wherein the masks are changed to create three-dimensional shapes.

15. Currently Amended A method of making patterned platelets comprising:

masking an area of a substrate to obtain a well-defined shape and size for the patterned platelet,

depositing a layer of material through the mask,

removing the patterned platelets from the substrate.

16. (Currently Amended) A method of making patterned platelets as in claim 15 wherein there is the additional steps of:

masking an area of the material previously deposited, and

depositing a layer of material through the mask to add to the previously deposited

material.

17. (Currently Amended) A method of making patterned platelets as in claim 15 wherein

there is ~~the~~ additional steps of:

masking an area of the material previously deposited, and

depositing a layer of a different material through the mask to add to the previously deposited material.

18. (Currently Amended) A method of making patterned platelets as in claim 15 wherein

there is ~~the~~ additional steps of:

_____masking a portion of the area of the material previously deposited, and

_____depositing a layer of material through the mask to add to the previously deposited material and define a spatial marking thereon.

19. (Currently Amended) A method of making patterned platelets as in claim 15 wherein

there is the additional steps of:

masking a portion of the area of the material previously deposited, and

depositing a layer of material through the mask to add to the previously deposited material and add material to make a three-dimensional shaped patterned platelet.

20. Currently Amended A method of making patterned platelets as in claim 15 wherein

there is ~~the~~ additional steps of:

masking a portion of the area of the material previously deposited, and

subtracting a layer of material from the unmasked portion of the previously deposited material to define a spatial marking thereon.

21. (Original) A method of making patterned platelets comprising:

forming a film of material on a substrate,

masking a portion of the film with one or more well-defined shape and size,
removing material from the unmasked portion of the material, to form patterned platelets,
removing the patterned platelets from the substrate.

22. (Currently Amended) A method of making patterned platelets as in claim 21 wherein:
there is the additional steps of:

masking a portion of the area of the material with one or more well-defined shape and
size, and

subtracting a layer of material from the unmasked portion of the patterned platelet
material to define a spatial marking thereon.

23-27. (Canceled)